

**SYSTEMS AND METHODS FOR MASTERING MICROSTRUCTURES
THROUGH A SUBSTRATE USING NEGATIVE PHOTORESIST AND
MICROSTRUCTURE MASTERS SO PRODUCED**

Abstract of the Disclosure

Microstructures are fabricated by impinging a radiation beam, such as a laser beam, through a substrate that is transparent to the laser beam, into a negative photoresist layer on the substrate. The negative photoresist layer may be 5 subsequently developed to provide a master for optical and/or mechanical microstructures. Related systems, microstructure products and microstructure masters also are disclosed.